



USER GUIDE

EE Mini Hub

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Safety and use

We recommend that you read this chapter carefully before using this device. The manufacturer disclaims any liability for damage, which may result as a consequence of improper use of this device or of use contrary to the instructions contained herein.

	Do not switch on your device when the device use is prohibited or when the device use may cause interference or danger.
	Follow the rules or regulations in hospitals and health care facilities. Switch off your device near medical apparatus.
	Switch off your device in an aircraft. The device may cause interference to control signals of the aircraft.
	Switch off your device near high-precision electronic devices. The device may affect the performance of these devices.
	Do not attempt to disassemble your device or its accessories. Only qualified personnel are allowed to service or repair the device.
	Do not place your device or its accessories in containers with strong electromagnetic field.
	Do not place magnetic storage media near your device. Radiation from the device may erase the information stored on them.
	Do not put your device in a high-temperature place or use it in a place with flammable gas such as a gas station.
	Keep your device and its accessories away from children. Do not allow children to use your device without guidance.
	Use approved batteries and chargers only to avoid explosion.
	Observe the laws or regulations on device use. Respect others' privacy and legal rights when using your device.

Conditions of Use

- Switch this device off before boarding an aircraft.
- Switch this device off when you are in health care facilities, except in designated areas. As with many other types of equipment now in regular use, this device can interfere with other electrical or electronic devices, or equipment-using radio frequencies.
- Switch this device off when you are near gas or flammable liquids. Strictly obey all signs and instructions posted in a fuel depot, petrol station, chemical plant, or in any potentially explosive atmosphere.
- When this device is switched on, it should be kept at least 15 cm from any medical device such as a pacemaker, a hearing aid or insulin pump, etc.
- Do not let children use this device without supervision.
- When replacing the cover, please note that this device may contain substances that could create an allergic reaction.
- Always handle this device with care and keep it in a clean and dust-free place.
- Do not open, dismantle or attempt to repair this device yourself.
- Do not drop, throw or bend this device.
- Do not paint it.

BATTERY

Following air regulation, the battery of your product is not charged. Please charge it first.

For non-unibody device:

Observe the following precautions for battery use:

- Do not attempt to open the battery (due to the risk of toxic fumes and burns);
- Do not puncture, disassemble, or cause a short circuit in a battery;
- Do not burn or dispose of a used battery in household rubbish or store it at temperatures above 60°C (140°F).
- Do not place batteries into a microwave oven, or into any other high-pressure container.
- Do not store batteries near an oven, stove, or other heat source.
- Do not immerse batteries in water or otherwise get them wet.

Safety and use

- Do not touch leaking batteries directly; wear protective material to remove the batteries and dispose of them properly immediately.
- The device should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
- Keep the device in a well-ventilated and cool area away from direct sunlight. Do not enclose or cover your device with towels or other objects.

Only use the battery for the purpose for which it was designed. Never use damaged batteries or those not recommended by EE Ltd. and/or its affiliates.

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

End-of-Life disposal information



Waste electrical products should not be disposed of with household waste. All electronic products with the WEEE logo must be collected and sent to approved operators for safe disposal or recycling. Please recycle where facilities exist. Many electrical/electronic equipment retailers facilitate "Distributor Take-Back scheme" of household WEEE. Check with your Local Authority or retailers for Designated Collection Facilities (DCF) where consumers may dispose of their WEEE free of charge.

Licences



The WiFi Logo is a certification mark of the WiFi Alliance.

General information

Internet address: www.ee.co.uk

Hot Line Number: Using your EE SIM, dial 150 or alternatively dial 07953 966 250 from a UK landline.

Manufacturer: EE Limited

Address: EE, 1 Trident Place, Hatfield Business Park, Hatfield, Hertfordshire, AL10 9BW, United Kingdom

Radio equipment directive declaration of conformity

EU

Hereby, EE Ltd. declares that the radio equipment model number EE71 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: **ee.co.uk/declaration-of-conformity**

UK

Hereby, EE Ltd. declares that the radio equipment model number EE71 is in compliance with Radio Equipment Regulations 2017 and The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023.

The full text of the UK declaration of conformity is available at: **ee.co.uk/declaration-of-conformity**

The support period of the device can be found at **ee.co.uk/help/terms-and-conditions/general/software-support**

Information on how to report security issues of the device can be found at **ee.co.uk/help/terms-and-conditions/general/reporting-security-issues**

This radio equipment operates with the following frequency bands and maximum radio-frequency power:

LTE FDD B1 (2100): 23 dBm

LTE FDD B3 (1800): 22.8 dBm

LTE FDD B7 (2600): 22.9 dBm

LTE FDD B20 (800): 22.3 dBm

802.11 b/g/n 2.4GHz band: 16.89 dBm

802.11 a/n/ac 5GHz band: 13.75 dBm

Restrictions:

This radio equipment is subject to certain restrictions when it is placed on the market in Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), Northern Ireland (UK(NI)), Norway (NO), Switzerland (CH), Iceland (IS), Turkey (TR), Lichtenstein (LI).

Safety and use

Wi-Fi 5 GHz: The frequency band 5150-5350 MHz is limited to indoor use.

This radio equipment is also subject to certain restrictions when it is placed on the market in United Kingdom (UK):

In accordance with the relevant statutory requirements in the UK, the 5150 to 5350 MHz frequency range is restricted to indoor use in the United Kingdom.

Disclaimer

There may be certain differences between the user manual description and the device's operation, depending on the software release of your device or specific operator services.

EE Ltd. shall not be held legally responsible for such differences, if any, nor for their potential consequences, which responsibility shall be borne by the operator exclusively. This device may contain materials, including applications and software in executable or source code form, which is submitted by third parties for inclusion in this device ("Third Party Materials"). All Third Party Materials in this device are provided "as is", without warranty of any kind, whether express or implied. The purchaser undertakes that EE Ltd. has complied with all quality obligations incumbent upon it as a manufacturer of mobile devices and devices in complying with Intellectual Property rights. EE Ltd. will at no stage be responsible for the inability or failure of the Third Party Materials to operate on this device or in interaction with any other device. To the maximum extent permitted by law, EE Ltd. disclaims all liability for any claims, demands, suits or actions, and more specifically – but not limited to – tort law actions, under any theory of liability, arising out of the use, by whatever means, or attempts to use, such Third Party Materials. Moreover, the present Third Party Materials, which are provided free of charge by EE Ltd., may be subject to paid updates and upgrades in the future; EE Ltd. waives any responsibility regarding such additional costs, which shall be borne exclusively by the purchaser. EE Ltd. shall not be held responsible for the lack of availability of any application, as its availability depends on the country and the operator of the purchaser. EE Ltd. reserves the right at any time to add or remove Third Party Materials from its devices without prior notice; in no event shall EE Ltd. be held responsible by the purchaser for any consequences of such removal.

1. Overview

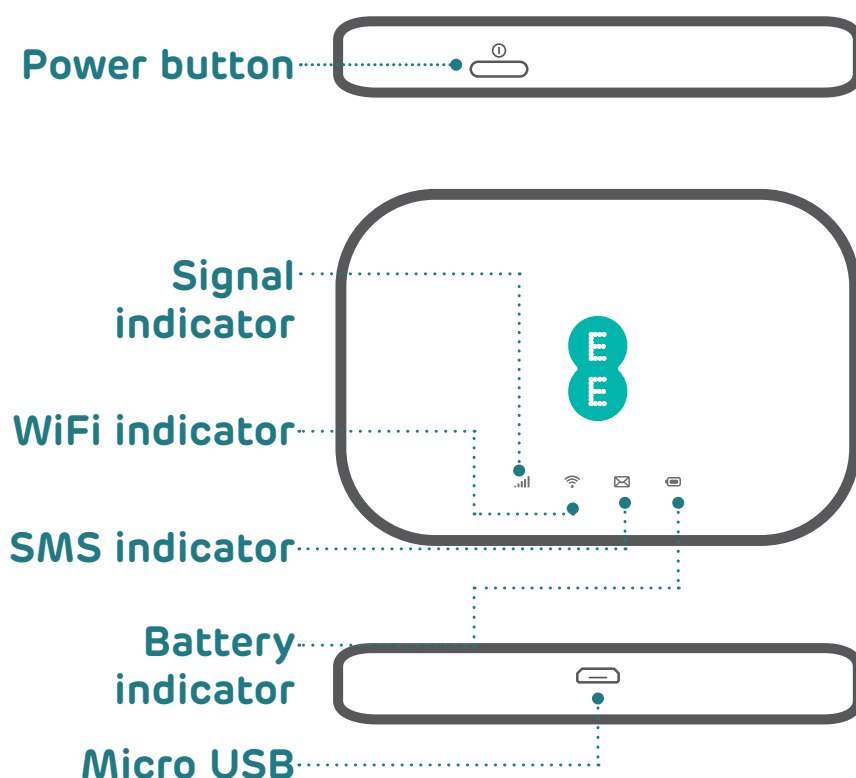
This device allows you to share a secure Mobile Broadband internet connection using WiFi. You can connect most WiFi enabled devices to it (for example PCs, mobile gaming devices, smartphones, tablets). This device should not be used in a confined space where air flow is limited, for instance inside a jacket pocket or inside a hand bag etc.

1.1 System Requirements

This EE Mini Hub is compatible with WiFi devices which support 2.4GHz (802.11 b/g/n) or 5GHz (802.11 a/n/ac) and have a web browser.

1.2 Device description

The description for the device as below:



Power button

Press and hold the power button for 3 seconds to power on/off.

Press and hold the power button for 10 seconds to reboot.

Overview

Signal indicator

- **Solid blue**

Connected to the Internet.

- **Flashing blue**

Disconnected from the Internet.

- **Solid red**

No service / No signal / No SIM / Invalid SIM.

WiFi indicator

- **Solid blue**

WiFi is enabled.

- **Off**

WiFi is disabled.

SMS indicator

- **Solid blue**

Unread message(s).

- **Flashing blue**

Inbox is full.

- **Off**

No unread messages.

Battery Indicator

- **Solid blue**

Battery level: 21-100%

- **Flash blue**

The device is charging.

- **Solid red**

Battery level: 0-20%

Overview

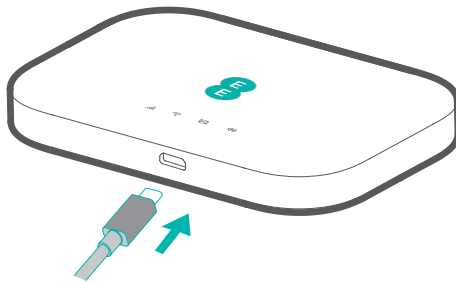
Automatic Software Updates

This device may automatically download and install any critical software updates. During this process, you will see the device LEDs flash, cycling from **Signal**  > **WiFi**  > **SMS**  > **Battery** .

Do not remove the battery during this time as it may result in your device malfunctioning.

Micro USB 2.0 Interface

Use the micro USB 2.0 for charging.



1.3 How to connect in WiFi mode

Step 1: Use the WiFi manager on the WiFi embedded device to select the network name (SSID).

2.4GHz WiFi SSID: EE-Mini-Hub-WiFi-XXXX-2.4GHz

5GHz WiFi SSID: EE-Mini-Hub-WiFi-XXXX-5GHz

Where XXXX is the last four digits of the IMEI number.

From a Windows PC:

1. Click Wireless network connection on the task bar.
2. View available networks.
3. Choose the appropriate **SSID** from the list of available networks.

From a Mac:

1. Select **System Preferences**.
2. Select **Network**.
3. Select the appropriate **SSID** from the dropdown menu.

Home

From an iOS device:

1. Select **Settings**.
2. Select **WiFi**.
3. Select the appropriate **SSID** from the available networks.

From an Android device:

1. Select **Settings**.
2. Select **WLAN**.
3. Select the appropriate **SSID** from the available networks.

Step 2: Enter the WiFi key when prompted for a security key.

Note: You can find your default WiFi key on the label located on the underside of the battery cover and also on the Keep Me card.

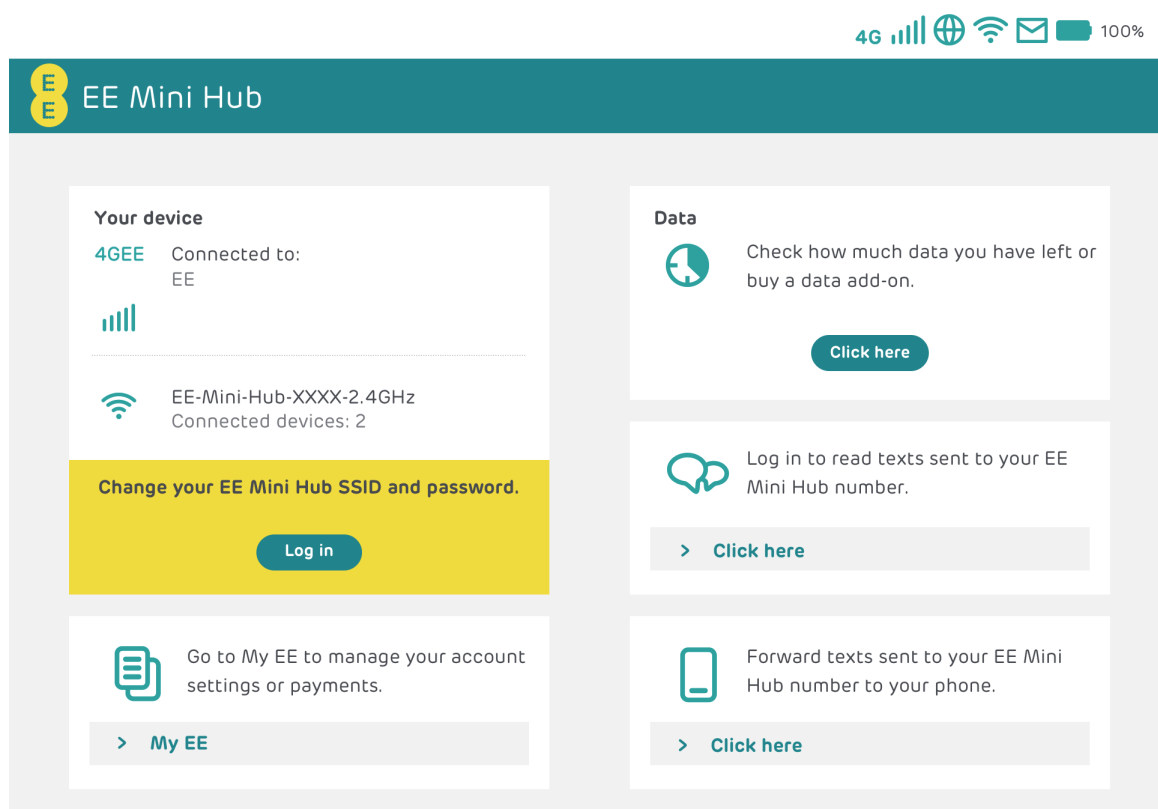
2. Home

The Web User Interface is compatible with the following browsers:

- Mozilla Firefox
- Safari 4.0.2 or later
- Internet Explorer 9.0 or later.
- Microsoft Edge
- Opera
- Google Chrome

2.1 How to log in to the Home page

- 1) Open your web browser.
- 2) Input <http://192.168.1.1> into the address bar and press Enter. The Home page will then load, as shown in the screenshot below.



- 3) Log in to change your EE Mini Hub SSID and password, or change other basic settings.

Default password: **xxxxxxxx**

Note: You can find your default WiFi key on the label located on the underside of the battery cover and also on the Keep Me card.

2.2 Web UI status bar page

Status bar icons

Description	Icon displayed
Signal indicator	From no signal to excellent
Connection status	Disconnected, Connected
WiFi status	WiFi is enabled. WiFi is disabled.
SMS	New message / Unread message(s) in inbox SMS inbox is full.

Description	Icon displayed
Battery	     From lowest power to full power      Charging

3. Status

You can click on **Status** to view basic information about your device, connected devices and blocked devices.

3.1 Status

Your device information including internet and WiFi. You can connect, disconnect or change the SSID of the device here.

3.2 Connected devices

Default for new connections: You can toggle the default setting for internet access for new connections.

All connected and blocked devices are also displayed here, you may toggle internet access for specific devices.

3.3 SMS inbox

In this section, received messages are displayed here, you can read, reply, delete message and forward messages to a recipient's mobile number.

How to read an SMS:

Click the content of the message you wish to read.

How to reply to an SMS:

- 1) Click the content of the message you wish to reply.
- 2) Input the message content and click send.

How to delete an SMS:

- 1) Find the message you wish to delete.
- 2) Tick the box in the far right column for the message(s) that you wish to delete.
- 3) Click **Delete**.

Settings

How to forward an SMS:

- 1) Click **Setup SMS forwarding**.
- 2) Redirect to the SMS forwarding page.
- 3) Input the new recipients' number.
- 4) Click **Apply**.

4. Settings

You can go to **Settings** and make changes to the following:

- Quick setup
- Setup
- WiFi
- Security
- Advanced settings

4.1 Quick setup

You can make changes to basic connection settings here and enable/disable data roaming.

On the next page, you can change the SSID enable/disable 2.4GHz or 5GHz.

On the final page, you can setup your WiFi security and change the WiFi key.

4.2 Setup

Data Connection

Data Connection lets you configure connection mode and Data roaming.

Profile Management

Profile Management allows you to set up a new APN profile or edit/delete existing profiles that have been created.

- How to add a new profile:

1. Click **New**.
2. Input the connection settings for your Network Provider, a **Profile name** and **Dial number** are mandatory.
3. Click **Save**.

- How to edit a profile:

1. Select the profile from the Profile management list.
2. Click **Edit** to change the parameters.
3. Click **Save**.

- How to delete a profile:

1. Select the profile from the Profile management list.
2. Click **Delete**.

Note: The default profile cannot be deleted.

- Setting as default:

1. Select the profile from the Profile management list.
2. Click **Set as default**.

Note: Once the new profile has been set as default, (Default) will be added next to the profile name.

Network Selection:

You can set the **Network search mode** to either **Auto** or **Manual**. Ensure that you click **Apply** after making any changes.

4.3 WiFi

Basic

The screenshot shows the 'Basic' settings page for the EE Mini Hub. The top navigation bar includes 'Home', 'Status', 'Settings' (highlighted), 'Device', and 'User guide'. A left sidebar lists 'Quick setup', 'Setup', 'WiFi' (highlighted), 'Basic', 'Advanced', 'Security', and 'Advanced settings'. The main content area is titled 'Basic' and contains the following settings:

- WiFi:** Three radio buttons for '2.4GHz' (selected), '5GHz', and 'Disabled'.
- * SSID:** A text field containing 'EE-Mini-Hub-2074-2.4GHz'.
- SSID broadcast:** A toggle switch that is turned on.
- Security:** A dropdown menu showing 'WPA2'.
- Encryption:** A dropdown menu showing 'AES'.
- * WiFi key:** A text field with masked characters '.....', a 'Show' link, and a help icon.

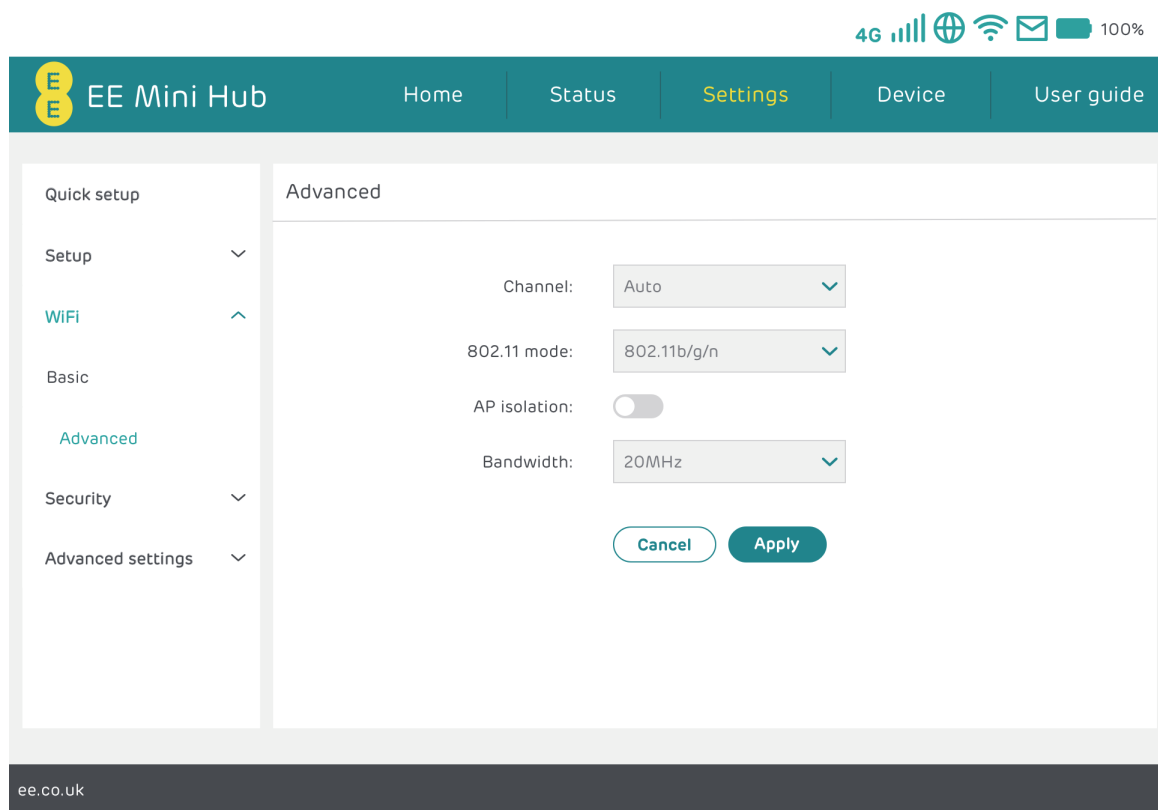
At the bottom of the settings area are 'Cancel' and 'Apply' buttons. The footer of the page displays 'ee.co.uk'.

- **WiFi:** You can choose the radio frequency of your WiFi: 2.4GHz, 5GHz or Disabled.
- **SSID:** This is the name of the WiFi network and is used to identify your WiFi network. The SSID can be between 1 and 32 characters long.
- **SSID Broadcast:** This is enabled by default.

Note: If you do choose to disable this, the SSID will no longer be displayed and will need to be entered manually.

- **Security:** You can choose the security mode. Available options are Disabled, WPA2, or WPA/WPA2.
- **Encryption:** This is set to AES by default. Available options are TKIP, AES, or Auto.

Advanced



- **Channel:** Select Auto and the EE Mini Hub will select the best channel for you to use automatically, or select a WiFi channel manually.
- **802.11 Mode:** You can select from the available options via the drop-down menu. For 2.4GHz, this is set to 802.11b/g/n by default. For 5GHz, this is set to 802.11ac by default.
- **AP isolation:** You can enable or disable this function.
- **Bandwidth:** You can select from the available options via the drop-down menu. This is set to 20MHz by default on 2.4GHz, Auto by default on 5GHz.

4.4 Security

SIM PIN Management: enable, disable and change SIM PIN. SIM PIN must be between 4-8 digits long. When a SIM PIN is entered incorrectly 3 times, a PUK code is required.

4.5 Advanced settings

Please be aware that changing advanced settings could affect your internet connection

Device

IP filter

By default, any device connected to your EE Mini Hub device is allowed to access the internet. You can use the IP filter to block specific devices from accessing the internet.

- **Disabled:** Users are allowed to access all the IP addresses.
- **Whitelist:** Users are allowed to access IP addresses in this list only.
- **Blacklist:** Users are not allowed to access IP addresses in this list.

MAC filter

By default, any device is allowed to connect to your EE Mini Hub device. You can use the MAC filter to block specific devices from accessing your EE Mini Hub.

- **Disabled:** All MAC addresses are allowed to access your EE Mini Hub device.
- **Whitelist:** Only MAC addresses added to the whitelist are allowed to access your EE Mini Hub device.
- **Blacklist:** MAC addresses added to the blacklist are blocked from accessing your EE Mini Hub device.

UPnP

Universal Plug and Play (UPnP) is a set of networking protocols that allows devices connected to your EE mobile broadband to discover each other and establish functional network services for data sharing, communications, and entertainment.

SMS forwarding

Forward messages to a recipients mobile number.

5. Device

5.1 Device information

You can view the info of your device here such as IMEI, your number, software version and MAC address.

5.2 Device management

Log in password

Enter your current password and confirm a new password. Your chosen password must be between 8-32 characters long.

Backup & restore

■ How to save the configuration:

Click **Backup** to backup current device configuration. On both Windows and MAC OS, this is saved to your 'Downloads' folder.

■ How to restore the configuration:

1. Click **Browse** to select a file.
2. Click **Restore**.

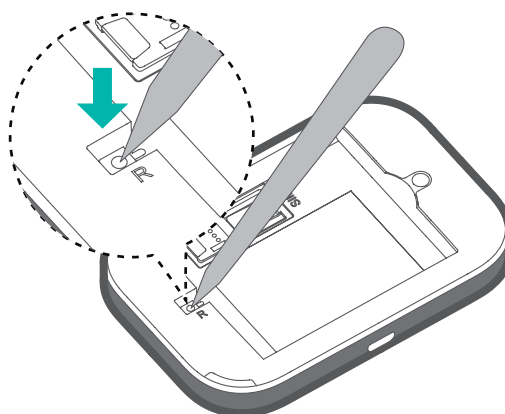
Restart & reset

Click **Restart** to power cycle the device or click **Reset** to restore factory default settings.

■ How to reset on device:

Reset the device to the original factory settings.

1. Hold the hardware reset button under the back cover, marked with R for 5 seconds until the device powers off.
2. Device will power back on itself.
3. Full reset of the device should have been completed.



5.3 Update

Click **Check for updates**. Your EE Mini Hub will check if there is an update available. If one is found, you may click **Update**. Once the file has downloaded successfully you will be able to click **Update**.

Note: Do not power off your EE Mini Hub during the update process as this may damage it.

5.4 System log

Click **System log**. Your EE Mini Hub will show a list of important events that have occurred since your device was last powered on or restarted.

The events include successful/failed login, login password change, device restarted, reset to default, configuration restored and firmware updated.

6. Warranty

The device is warranted against any deviation from technical specifications for a period of twenty four (24) months from the date specified on your original invoice.

Under the terms of this warranty, you must immediately inform your vendor in case of a conformity defect on this device, and present a proof of purchase.

The vendor or repair centre will decide whether to replace or repair this device, as appropriate.

Repaired or replaced this device is warranted one (1) month unless there are statutory provisions to the contrary.

This warranty shall not apply to damage or defects to this device due to:

1. Not following the instructions for use or installation,
2. Not being compliant with technical and safety standards applicable in the geographical area where this device is used,
3. Improper maintenance of sources of energy, and of the overall electric installation,

Warranty

4. Accidents or consequences of theft of the vehicle in which this device is transported, acts of vandalism, lightning, fire, humidity, infiltration of liquids, inclement weather,
5. Connecting to or integrating into this device any equipment not supplied or not recommended by the manufacturer,
6. Any servicing, modification or repair performed by individuals not authorised by the manufacturer, the vendor or the approved maintenance centre,
7. Use of this device for a purpose other than that for which it was designed,
8. Malfunctions caused by external causes (e.g., radio interference from other equipment, power voltage fluctuations),
9. Faulty connections resulting from unsatisfactory radio transmission or caused by the absence of radio relay coverage.

Warranty is also excluded for this device on which markings or serial numbers have been removed or altered.

This device is also warranted against hidden defects (defects inherent in the design, manufacture, etc.).

There are no other express warranties than this printed limited warranty, expressed or implied, of any nature whatsoever.

In no event shall the manufacturer be liable for incidental or consequential damages of any nature whatsoever, including but not limited to trading loss, commercial loss, to the full extent those damages can be disclaimed by law. Some countries/states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.